

New Method of the Metabolism Estimations in Animals
Under Optional Experimental Conditions, by
F. Spioch, J. Rozmus, 9 pp.

POLISH, per, Acta Physiologica Polonica, Vol XIV,
No 6, 1963.

OTS 63-11407/6
PL-480

Sci
Jan 65

272,604

272,604

47
Some Hemodynamic Changes in Man Under the In-
fluence of Heat, by F. L. Spiroch, R. Chojnacka,
12 pp.

POLISH, per, Acta Physiologica Polonica, Vol 9,
No 6, 1958, pp 739-746. F100137266
PTD-M-66-628

F. M. Spiroch

Col-3 and 4
Jul 66

359.983

Spira, Joh. Chr.

THE GLASS WAR IN GERMANY (Der Glaskrieg in Deutschland). [1962] [9]p. (foreign text included).
Order from SLA \$1.10

62-20302

Trans. of Automobil-Revue (Switzerland) 1962, v. 57, no. 32, p. 19 and 23.

DESCRIPTORS: *Glass, Germany, Automotive industry, Safety, *Laminated glass, Windshields.

(Materials--Ceramics, TT, v. 9, no. 9)

62-20302

I. Spira, J. C.

1000824

Office of Technical Services

(DC-3801)

Austrian Communist Work With Youth, by Leopold
Spina, 6 pp.

GERMAN, per, Weg und Ziel, No 9, 1961, pp 513
pp 507-513.

JPRS 11763

Winar - Austria
Pol
Jan 62

180, 124

100-111
1. An Austrian Communist Theoretical View of
the State, by Leopold Spira, 8 pp.

Julian, per, reg and Tiel, Vol 18 ADX, No 6,
1941, pp 379-381.

JPRS 10365

EUR - Austria

101

Rev 01

174, 491

The Struggle of the Communist Party of Austria For
the Country's Independence, Peace, and Democracy,
by Leopold Spire, 5 pp.

RUSSIAN, no per, Novaya i Novyashaya Istoriya, No 6,
Moscow, Nov 1958, pp 3-15.

JPRS 575-D
CSO: 1045-D/16

E. Eur - Austria

Q.L

Mar 59

82,775

The ~~XXXXXXXX~~ UIT-3 Unit for Etching Metals,
Semiconductors and Dielectrics by Ion Bombardment-,
by G. V. Spirak, F. F. Kushnir, et al, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXV,
No 6, 1961, pp 707-712.

CTT

Sci
Jul 62

205,363

Spira, Heinz.
SENSITIVE METHOD FOR CHROMATOGRAPHIC
INVESTIGATION OF LUBRICATING OILS. [1962] 25p.
8 refs.

Order from SLA \$2.00

62-14433

Trans. Inst. Ref. and Foble (West Germany) 1960, v. 13
[no. 1] p. 27-32.

DESCRIPTORS: *Fabrication, *Oils, *Chromatographic
analysis, Resins, Refineries, Distilling plants,
Microchemistry.

A method for the chromatographic investigation of small
amounts of lubricating oil (about 0.5 g) is described. It
is shown with reference to examples how this method
may be applied to the study and testing of processing
techniques. A study of lubricating oils aged in the engine
or in the laboratory showed that the resin fractions
(Chemistry--Analytical, TT, v. 9, no. 2) (over)

62-14433

I. Spira, H.

0007098

Office of Technical Service:

Mirror Electron Microscope for Studying the
Structure of Surfaces, by G. V. Spirak,
I. A. Pryankova, et al, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXV,
No 6, 1961, pp 683-690.

CTT

Sci
Jul 62

205,359

Gasometallurgy and the Gazal Process, by
E. Spire, 9 pp.

FRENCH, per, Rev Universelle Mines, 9th Series,
Vol XI, No 3, 1955.

SLA 57 1204

May 58

63,870

The Reversibility of Acylase I Action. Enzymatic
Hydrolysis and Synthesis of L-Acetylalanine,
by V. B. Spirichev, Ch'i Cheng-wu, V. N.
Orekhovich, L. A. Shchukina, 4 pp.

RUSSIAN, per, Biochim, Vol XVIII, No 6, 1958,
pp 895-898.

Consultants Bureau

Sci - Biol, Chem
Jul 59

91,290

The Properties of Ammonium Accumulator Paste, by
M. F. Skalozubov and V. V. Spiricheva, 8 pp.

4
RUSSIAN, no per, Zhur Prikl Khim, Vol XXVII, No 3,
Mar 1954, pp 310-313 CIA C 38935

Consultants Bureau

Scientific - Chemistry

CTS 73/Oct 55

27,032

Speech, by Spiridonov.

RUSSIAN, np, Pravda, 7 Mar 1962.

FBIS Wire

USSR

Pol

18 May 62

Speeches Were All Made at the Occasion of Session
of the CPSU Central Committee Plenum.

Electron Diffraction Study of the Structure of
the Boron Suboxide Molecule, by V. A. Anisimov,
Dokl. Akad. Nauk SSSR, 1959, 130, 1317-1320.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXIX, No. 5,
1959, pp 1317-1320.

CB

Sci.

Oct 60

130,1317

Voters Meeting Speech, by Spiridonov.

RUSSIAN, np, Pravda, 1 Mar 1962.

FBIS Wire

USBR

Pol

18 May 62

An Analysis of the Operation of Rocket Motors, by
V.M. Petrov and B.I. Spindorov.

RUSSIAN, in V.M. Petrov and B.I. Spindorov, vol. 7
no. 2, pp. 132-135.

AKB-72712

HTS. RJ 4550

B. I. Spindorov

RS/A, from
Aug 66

7
306,663

Basic Data on Vibro-Arc Surfacing, by A. A.
Spiridonov, A. A. Semkin, 13 pp.

RUSSIAN, bk, Novoye Oborudovaniye Dlya
Avtomaticheskoy Vibrodugovoy, Moscow-Sverdlovsk,
Mashgiz, 1961, pp 5-14. 9667378

FTD-FF-62-1250

Sci - Electro
Jan 63

Effects and complications in various forms of
electrostimulations of the heart, by A. A. Spiridonov,
S. V. V.

Soviet. per. Vostochnaya Khirurgiya, Vol VI, No 3,
Sept-Oct 1964, pp 44-50.
Soviet 17550

1964
Sci-Med & Med Sci
Rec 64

272,574

p 65

Geomorphic Mapping Abroad, by RA. I. Spiridonov.
6 pp.

RUSSIAH, por, Vest Moskov, U, Ser Geograf,
No 1, 1960, pp 54-62.

Amer Geograf Soc

USSR
Geographic
Nov 60

133,019

Trans-Carpathian District; Scientific - Popular
Geographic Description, ~~18~~ by V. A. Anuchin, A. I.
Spiridonov, 18 pp.

RUSSIAN, bk, Zakarpatskaya Oblast' Nauchno-
Populyarnoe Geograficheskoe Opisaniye, Moscow, 1947.

Sci Tr Center RT-1367

USSR
Scientific - Geophysics
Geographic-

19,297

Determining the Coefficient of Friction in
Rolling on a Smooth Barrel Using a Radial
Pressure Diagram, by N. P. Spiridonov.

RUSSIAN, bk, Obrabotka Metallov Davleniem,
(Sbornik Statey), 1952, pp 17-41.

BISI 2048

Sci - Engr

Jul 61

161,074

CLOSED-CYCLE STEAM-GAS-TURBINE PLANT, BY L. I.
SLOBODYANYUK, V. A. SPIRIDONOV.

RUSSIAN, PER, TEPLOENERGETIKA, VOL VIII, NO 4,
1961, PP 25-27.

NLL N. 6322

SCI - ENGR

NOV 62

217,688

System of Waste-Heat Utilization for Iron and
Steel Using Heat Pumps, by V. A. Spiridonov,
L. I. Slobodyanyuk, 4 pp.

RUSSIAN, per, Stal, No 1, 1961, pp 87-91.

BISI

Sci

Jun 61

157, 214

Property Changes During Maraging of Cr-Ni
Steels, by V. B. Spiridonov, Yu. A. Bakov,
and V. N. Iordanskiy, 7 pp
RUSSIAN, per, Metallovedeniye i Termicheskaya
Obработка Metallov, No 11, Nov 1964, pp
19-24.
JPRS 27054

p 92

USSR
Sci-M/H
Mar 65

276,370

Photodisintegration of Helium, I., by A. N. Gorbunov,
V. M. Spiridonov, 10 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIII,
No 1, 1957, pp 21-32.

Amer Inst of Phys
Sov Phys-JETP
Vol XI, No 1

Sci - Physics
May 58

62,767

Photoionization of Helium. III, by A. N.
Gorbunov, V. M. Spiridonov, 6 pp.

RUSSIAN, par, Zhur Ekaper i Teoret Fiz, Vol XXXIV,
No 4, 1974, pp ~~664-665~~. 866-873

Amer Inst of Phys,
Sov Phys - JETP,
Vol VII (34), No 4

Sov - Phys.

Doc 58

76,967

On the Existence of Particles of Mass $2m \leq M \leq 25m$
by A. N. Gorbunov, V. M. Spiridonov, P. A. Cerenkov,
4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVIII,
No 1, 1960, pp 69-73.

Amer Inst of Phys
Sov Phys - JETP
Vol XI, No 1

Sci -
Aug 60

122,187

Photodisintegration of Helium. II, by A. N.
Gorbunov, V. N. Spiridonov, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIV,
No 4, 1958, pp ~~955-958~~ 862-865

Amer Inst of Phys,
Sov Phys - JETP,
Vol VII (34), No 4

Sci - Phys

Nov 58

76,966

The Modern State of Gaseous Electron Diffraction,
Theory of Scattering of Electrons, by molecules,
by V. P. Spiridonov, N. G. Rambidi, et al, 19 pp.

RUSOAN, per, Zhur Strukturnoi Khim, Vol IV,
No 5, 1963, pp 779-797.

CB

Sci-
Aug 64

263,938

The Present State of Gaseous Electronography. The
Effect of Nuclear Motion on the Dispersion of
Electrons by Molecules, by N. G. Rambidy and
V. P. Spiridonov, 31 pp.

RUSSIAN, per, Zhur Strukturnoy Khimii, Vol III,
No 3, 1962, pp 347-375.

CB

Sci

Feb 63

234,064

Electron-Diffraction Study of the Structure of the
Antimony (III) Oxide Molecule, by P. A. Akishin,
V. P. Spiridonov, 3 pp.

RUSSIAN, per, Zhur Strukturnoy Khim, Vol II,
No 5, 1961, pp 542-544.

CB

Sci
13 Jul 62

202,544

Electron-Diffraction Study of the Structure of
Beryllium Halide Molecules, by P. A. Akishin, V. P.
Spiridonov, G. A. Sobolev, 4 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol CXVIII, No 6,
1958, pp 1134-1137.

Consultants Bureau

Sci - Chem
Dec 58

77,4475

The Cultivation of Cucumbers and Tomatoes on
Artificial Media, by Spiridonova, S. F.
Vaschenko.

Reprinted per, Sad i Ogorod, No 9, 1959, pp 23-29

MLL W. 2613

Sci - Biol

174, 987

Dec 61

Spirodonova, A. I. and Vaschenko, S. P.
THE CULTIVATION OF CUCUMBERS AND TOMA-
TOES ON ARTIFICIAL NUTRIENT MEDIA, PTS. 1-2.
Sep 60 (2 photos, omitted). [DSIR LLU] M. 2613.
Order from OTS or SLA \$1.10 61-23290

Trans. of [Sadovodstvo] (USSR) 1959 [v. 97] no. 9,
p. 23-29.

DESCRIPTORS: *Vegetables, Growth, Food.

(Food, TT, v. 6, no. 8)

61-23290

- I. Spirodonova, A. I.
- II. Vaschenko, S. P.
- III. DSIR LLU M. 2613
- IV. Commonwealth Bureau
of Horticulture and
Plantation Crops
(Gr. Brit.)

255184

Office of Technical Services

GEORGEZHO, V. A., KARTSEKOVA, E. A., KOTOVA, O. F.,
KUKAROVA, V. R., NIKOLKOVA, L. F., PRISTACHESKII,
P. P., RAKHOVA, A. S., SPINIDONOVA, O. N., SUBBOTINA,
A. S., AND TRAVINA, I. D.

Weather Types of Central Asia.
Journal of Geophysics, V, 2, 1935, pp 163-281.

HQ, Air Weather Service, A-2, Technical Research Files
QE/c.

7-6009

Separation of Nuclei From Plant Cells and a Study of
Their Biochemical Properties, by N. M. Sisakyan, N. A.
Vasilyeva, G. I. Spiridonova, 12 pp.

RUSSIAN, per, Biokhim, Vol XXII, No 5, 1957, pp 813-
824.

Consultants Bureau

Sci - Med

Jul 58

66,824

How To Stimulate the Utilization of Industrial
Basic Production Funds Through the System of
Cost Accounting, 6 pp, by I. Spiridonova

RUSSIAN, per, Voprosy Ekonomiki, No 10, 1958,
pp 46-57

Internatl Arts and Sci
Press
Vol I, No 10

UE3R

Econ
Rev
Mar 59

84,053

Spiridonova, M. V.
THE DYNAMICS OF CHANGES IN THE ELECTRO-
CARDIOGRAM OF THYROTOXICOOSIS PATIENTS
DURING RADIOIODINE THERAPY. [1963] [14]p.
9 refs. FASEB manuscript no. S 306-2.
Order from OTS or SLA \$1.60 63-5-022

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7,
no. 8, p. 22-29.

DESCRIPTORS: Electrocardiography, *Hyperthyroidism,
*Radiotherapy, Radioisotopes, Iodine.

Clinical and electrocardiographic observations of
patients with moderate and severe thyrotoxicosis
treated with ^{131}I have shown the effect of radioiodine
in early and late stages on the functions of autonomic
excitability and conductivity of the myocardium and on
the coronary vessels. The data obtained permit the
(Biological Sciences--Radiobiology. TT, v. 10, no. 7)
(over)

63-23022

- I. Spiridonova, M. V.
- II. FASEB S-306-2
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

1247185

Office of Technical Services

Production of Nickel Strips of High Purity,
by K. P. Kalinin, M. P. Iyamina, M. Z.
Spiridonova. UNCL

RUSSIAN, per, Tsvetnye Metal, No 7, 1958,
pp 56-61.

DSIR LII M.652

(loan)

102,437

Sci - Min/Met
Dec 59

Correction to the ^{Curve} ~~Graph~~ of Actual Stresses Proposed,
by N. N. Davidankov, N. I. Spiridonova, 5pp

RUSSIAN, per, Zavod Lab, Vol XXIX, No 5, 1963,
pp634-636.

Sci
Jan 64

ISA

245,632

A Laboratory Method for the Preparation of Liquid
 N_2O_4 , by I. E. Ioshpa, O. P. Spiridonova, 5 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol. XII, No 6, 1939,
pp 951, 952. CIA 9021244

NIH

Sci - Chemistry
Jul 58

66,432

Accelerated Method for Isolating the Carbide Phase
in Steel, by O. S. Spiridonova, T. I. Bezuglova.

RUSSIAN, per, Zaved Lab, Vol XXIII, No 12, 1957.
pp 1412, 1413.

Henry Bratcher *7/1/58*
\$2.50

Sci - Phys

Jun 58

66, 115

An Investigation of the Effect of Complex Formation
of Alcohols With Electrolytes on the Curves of
Physical Titration Up to the Turbidity Point, by
E. K. Nikitin, S. I. Spiridonova.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Khim i
Khimich Tekh, Vol IV, No 1, 1961, pp 33-37.

BIBI 2571

Sci. - Chem

204, 824

Jul 62

list 1300

Titration of Aqueous Solutions of Electrolytes
in the Presence of Nonelectrolytes as Indicators,
by S. I. Spiridonova, 7 pp.

RUSSIAN, no per, Zhur Prii Khim, Vol XXV, No 2,
Feb 1952, pp 159-167.

Consultants Bureau

Scientific - Chemistry

Dec 53 CTS

7404

Determination of the Concentration of Dissolved
Chlorides by Titration with Water in the Presence
of Isobutyl Alcohol as A Turbidity Indicator, by
S. N. Spiridonova, 7 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol . . . XIV, No 4,
Apr 1952, pp 429-433.

Consultants Bureau

7871

Scientific - Chemistry

Dec 53 CIB

Investigation of the Composition of Binary Systems
of Organic Solvents by Physical Titration with
Water Without the Use of Turbidity Indicators, by
S. I. Spiridonova, 7 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 6, 1959,
pp 1263-1273.

CB

Sci -
Jul 60

121,000

Synthesis of Organophosphorus Compounds from Hydrocarbons and their Derivatives. X. Oxidative Chlorophosphination of Certain Ethylene Derivatives, by L. Z. Soborovskiy, Yu. M. Zinov'yev, T. G. Spiridonova, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 4, 1959, pp 1139-1141.

Consultants Bureau

Sci

Jun 60

117,643

The Full Esters of the Isomeric Chlorofluoroethane
Phosphonic, by Yu. M. Zinovyev, T. G. Spiridonova,
L. Z. Boborovskiy, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 11,
1959, pp 3594-3597.

CB

Sci
Nov 60

132, 721

Reaction of Tetrafluoroethylene with Arsenic Trichloride in the Presence of Aluminum Chloride, A. B. Braker, T. G. Spiridonova, L. Z. Sobolevskiy, 5 pp.

RUSSIAN, per, Khim Otech Khim, Vol XXVIII, No 2, 1978, pp 350-354,

Consultants Bureau

Sci - Chem

Apr 79

85,663

Colloid Chemical Properties and Detergent Action
of Solutions of Sulfonol NP and Its Analogues,
by S. A. Nikitina, V. A. Spiridonova, 5 pp.

RUSSIAN, per, Kolloidnyi Zhurnal, Vol XXV, No 5,
1963, pp 581-586.

CB

Sci -
Jul 64

262,798

S-941/60

(DC-4233)

Conference on the Problem of Sun-Troposphere,
by Yu. V. Spiridonova, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geog, No 3,
1960, pp 157-159.

JPRS 3917

Sci - Geophys

Sep 60

126,100

19

(DC-3393).

On the Occasion of the 60th Birthday of B. L.
Dzerdzeyevskiy, by Yu. V. Spiridonova, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geograf,
No 1, 1959, pp 155-157.

JPRS 3255

USSR
PicG
May 60

116,572

(SF-1879)

All-Union Inter-VUZ Scientific Conference on Problems
of Combatting Corrosion, by A. A. Spirin, 4 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved. - Neft' i Gaz,
No 2, 1961, pp 94 & 106.

JPRS 10790

Sci - Chem

Nov 61

174,236

48
Mechanism of Action of the Ribosome: Subparticle
Locking - Unlocking Hypothesis, by A. S. Spirin,
8 pp.
RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol 179,
No 6, pp 1467-1470.
JPRS 46,073

A. S. Spirin

Sci/Chem
Aug 66

362,776

Macromolecular Structure of Ribonucleic Acids,
by A. S. Spirin.
RUSSIAN, bk, 1964, 210 pp.
NLL
(Reinhold Publishing Corp, New York)

A. S. Spirin

Sept 67

341.299

Present Ideas About the Structure of Nucleic
Acids and Their Specifications, by A. I.
~~XXXX~~ Belozerskiy, ~~XXXX~~ A. S. Spirin.

RUSSIAN, per, Uspekhi Sovremen Biolog,
Vol XLII, No 2, 1956, pp 144-160.

CSIRO

Sci - Chem
Jul 62

204, 929

THE ROLE OF NUCLEIC ACIDS IN VIRAL INFECTIONS,
BY A. S. SPIRIN, 5 PP.

RUSSIAN, PER, VESTNIK AKADEMII MEDITSINSKIKH NAUK
SSSR, VOL XVII, NO 12, 1962, PP 35-38,.

JPRS 17667

SCI - MED

FEB 63

223,368

S-100/00

(FY-3000)

The Composition and Classification of Nucleic
Acids, by A. N. Belozerskiy, A. S. Spirin, 39 pp.

RUSSIAN, per, Iz Ak Nauk, Ser Biol, Vol XXV, No 1,
1970, pp 64-61.

JPRS 2316

Sci - Bio

Aug 60

121,669

A Study of the Macromolecular Structure of the
Infectious Ribonucleic Acid from Tobacco Mosaic
Virus, by A. S. Späin, L. P. Gavrilova, S. E.
Bresler, M. I. Mosavitskiy, 8 pp.

RUSSIAN, per, Biokhim, Vol XXIV, No 5, 1959,
pp 938-947.

Consultants Bureau

Sci

Jun 60

118, 278

13
The Composition, Structure and Biological Role of
Ribonucleic Acids, by A. E. Zilber, 64 pp.
RIBONUCLEIC ACIDS, M. Ribonucleic Acids, Moscow,
Soyuzdetizdat i Biologicheskaya Ref., Moscow, 1964,
pp 1-69.
JPRS 27495

Sci - D & M
Jan 65

274,579

(S) 1-11

Chemical Structure of Nitro Substances
in the Literature, by A. G. Spirin, L. I. Givrikova, 1961

Chemical Structure of Nitro Substances, Vol. 1,
Jan/Apr 1961, pp 504-510.

JPRS 11051

Sci 11051

Sci 11051

THE ROLE OF NUCLEIC ACIDS IN VIRAL INFECTIONS,
BY A. S. SPIRIDIN, 5 PP.

RUSSIAN, PER, VESTNIK AKADEMII MEDITSINSKIH NAUK
SSSR, VOL XVII, NO 12, 1962, PP 35-38,.

JPRS 17667

SCI - MED

FEB 63

823,368

INFORMATIONAL RNA AND REGULATORY MECHANISMS OF
PROTEIN SYNTHESIS IN BACTERIA, BY A. S. SPIRIN,
V. N. SMIRNOV, 35 PP.

RUSSIAN, PER, IZ AK NAUK SSSR SER BIOL, NO 4,
1962, PP 477-501.

JPRS 14893

SCI-BIOL, MED
NOV. 62

215,266

^H
Macromolecular Structure of Native Highly Polymerized
Ribonucleic Acid in Solutions, by A. S. Spirin,
L. P. Lipchina, I. I. Polevina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 3,
1959, pp 658-661.

AIBS

Sci
Nov 59

100,995

✓
A Spectrophotometric Study of the Effect of pH and Ionic Strength on the Stability of Highly Polymerized Ribonucleic Acid in Solution, by L. P. Gavrilova, A. S. Spirin, A. N. Balasanyan, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 4, 1979, pp 937-938.

Amer Inst of Biol Sci

Sci - Biol

Sep 79

96,050

Configuration of the Ribonucleic Acid Molecule of
Infectious Virus in Solutions as Indicated by
Electrical Birefringence Data, by G. A.
Dvorkin, A. S. Spirin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 4, 1960, pp 987-990.

AIBS

Sci

Jul 61

167, 375

Nucleic Acid Content in Aging Cultures of Colon
Bacilli, by A. S. Spirin, A. G. Skabronskaya, and
A. Pretel-Martinez, 3 pp.

RUSSIAN, per, Mikrobiol, Vol XXVII, No 3, 1958,
pp 273-275.

Amer Inst of Biol Sci

Sci - Biology
Feb 59

81,615

The Action of Temperature on the State of the
Macromolecules of Virus Ribonucleic Acid in
Solution, by L. P. Gavrilova, A. S. Spirin,
A. N. Belozerskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI,
No 5, 1959, pp 1121-1124.

Amer Inst of Biol Sci

Sci

Jan 60

105,631

Effect of Temperature on the State of
Macromolecules of High-Polymeric Ribonucleic
Acid of Animal Tissues, by A. S. Spirin, L. S.
Mil'man, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 3,
1960, pp 717-720.

AIBS

Sci

155,706

Jun 61

The "Temperature Effect" and Macromolecular
Structure of High-Polymer Ribonucleic Acids
of Various Origin, by A. S. Spirin, 10 pp.

RUSSIAN, per, Biokhim, Vol XXVI, No 3, 1961,
pp 511-522.

CB

Sci
Apr 62

194,590

Composition of Nucleic Acids in Experimental
Mutability of Bacteria of the Coli Group, by A. S.
Spirin, A. N. Belozersky, 7 pp.

RUSSIAN, per, Biokhimiya, Vol XXI, No 6, 1956,
pp 768-775.

Consultants Bureau

Sci - Med

Apr 58

61,852

Spectrophotometric Determination of Total Nucleic
Acid Content, by A. S. Spirin, 6 pp

RUSSIAN, per, Biokhim, Vol XXIII, No 5, 1958
pp 656-662

Consultants Bureau

Sci - Biol

Apr 59

86,122

1
Composition of Deoxyribonucleic Acids in Different
Species of Actinomyces, by A. N. Baloserskiy,
N. V. Shugayeva, A. S. Spirin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 4,
1958, pp 330-332.

Amer Inst of Biol Sci

Sci - Biology, Chem

Jan 59

80,095-

The Chemical Nature of Virus Infectivity, by
A.S.Spirin. 45
RUSSIAN, per. Uspekhi Sovremennoi Biologii,
Vol 50, No 6, 1960, pp 261-276.
NLL RTS 2710

A. S. Spirin
Sci - ~~Chem~~ B&M
Sept. 67

340,397

Changes in the Composition of Nucleic Acids in the
Formation of Saccharolytic Inert Forms of Intestinal
Bacteria, by A. S. Spirin, A. N. Balozerskiy, D. G.
Kudlay, A. G. Skavronskaya, V. G. Mitrova, 9 pp.

RUSSZAK, per, Biokhimiya, Vol XXIII, No 1, 1978,
pp 154-163.

Consultants Bureau

Sci - Chem
Nov 58

77,014

Some Problems of the Macromolecular Structure
of Ribonucleic Acids, by A. S. Spirin, 15 pp.
RUSSIAN, bk, Nedostorime Problemy Makromolek-
ulyarnoy Struktury Ribonukleinykh Kislot, 1963,
Moscow. *pp 3-5; 6-14; 48-72; 73. (Excerpts)*
JPRS 24068

Sci - Biol
Apr 64

254, 435

A Comparative Study of Ribonucleic Acid Composition
in Various Bacterial Species, by A. S. Spirin and
A. N. Belozersky, 2 pp.

RUSSIAN, thrice-no-per, Dok Ak Nauk SSSR,
Vol CXIII, No 1, pp 650-651.

1957

Consultants Bureau

60,904

Sci - Chem

Mar 58

A Study of Species Specificity with Respect to
Nucleic Acids in Bacteria, A. S. Spirin, by
A. N. Belozersky, N. V. Shugayeva, B. P.
Vanyushin, 9 pp.

RUSSIAN, per, Biokhimiya, Vol XXII, No 4, 1957
pp 744-754.

Consultants Bureau

Sci-Chem

Jun 58

65,421

On the Nature and the Methods of Quantitative^t
Evaluation of the "Hyperchromic Effect" of
Nucleic Acids, by A. S. Spirin, L. P. Gavrilova,
A. N. Belozerskiy, 10 pp.

RUSSIAN, per, Biokhim, Vol XXIV, No 4, 1959,
pp 600-611.

CB

Sci

Nov 60

132, 442

TT-65-63213

Field 6A

Spirin, A. S.; Kisselev, N. A.; Shakulov, B. S.;
Bogdanov, A. A.

STUDY OF THE STRUCTURE OF RIBOSOMERS;
REVERSIBLE UNFOLDING OF THE RIBOSOMAL
PARTICLES INTO RIBONUCLEOPROTEIN STRANDS
AND A MODEL OF THE PACKING. Tr. by Z. Knowles,
8 Feb 65, 1pg, 22reels. NIH-2-5-65.
Order from CITE, SLA, or LTC: HC\$1.00, MI \$0.50
as TT-65-63213

Trans. 111-40710-1 (11-415-67) 029-00 1964

I. Tiller Reversible ...
II. National Institutes of
Health, Bethesda, Md.

Spirin, B. A.
INTERNAL LYMPHATIC SYSTEM OF PENIS.
Jan/Feb 64, 9p
Order from FASEB \$2.00 in Federation Proceedings
Translation Supplement, 1964, v. 23, no. 1
(p. T159-T167)

Trans. of Arkhiv Anatomi, Gistologii i Embriologii
(USSR) 1963, v. 44, no. 3, p. 68ff.

DESCRIPTORS: *Lymphatic system, Lymph, Man,
Capillaries, Blood circulation, *Reproductive system,
Urinary system.

(Biological Sciences--Anatomy, TT, v. 11, no. 10)

TT-64-12541-1 (p. T159-T167)

I. Spirin, B. A.
II. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.

280536

Office of Technical Services

Reflexion in the Electroencephalogram
of the Inhibitory Influence of the Second
Signal System on the Motor End Effect, by
O. M. Grindel', B. G. Spirin, 9 pp.

RUSSIAN, per, Zhur Vysshey Nerv Dayatel
imeni I. P. Pavlova, Vol X, No 2, 1960,
pp 180-188.

PP

Sci
Feb 62

198,371

On Electrostatic Electron Emission of Semiconductor
by I. I. Gorfman, B. G. Smirnov, G. S. Spirin,
G. N. Shuppa, 3 pp.

RUSSIAN, per, Zhur Tech Fiz, Vol XXVII, No 11, 1957
pp 2662, 2663.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol II, No 11

Sci - Physics
Jul 58

66, 319

Conquest of the North Pole, by I. Spirin, UNCLASSIFIED
47 pp.

RUSSIAN, bk, Chapters 5, 6, 12, 16, 20, Encl to 337-351,
Nav Sec USFA, 20 Jul 1951.

AF 365748

USSR
Geographic
K Jan 52 CTS/DEX

13,050

S-144/60

(NY-3701).

The Boarding School: Organizational Problems
and Experience of Educational Work, by N. I.
Alpatov, N. A. Myaskovskaya, L. F. Spirin, A.
Ya. Shagova, 130 pp.

RUSSIAN, bk, Shkola-Internat (Voprosy Organizatsii
i Opyt Vospitatel'noy Raboty), 1958, pp 1-50,
120-147, 177-224.

JPRS 2907

119,945

USSR

Soc

Jul 60

THE FUEL-ENERGY BALANCE OF THE U.S. ECONOMIC
REGION, BY S. ZIMMERMAN, P. SPIER, 6 PP.

REGION, NP, ECON GAZETTE, NO 12, 6 APR 1963,
P 18.

APR 1963

USER
ECON
MAY 63

228,874

TT-65-63213

Field 6A

Smirnov, A. N.; Kisselev, N. A.; Shakulov, D. S.;
Bogdanov, A. A.
STUDY OF THE STRUCTURE OF RIBOSOMES;
REVERSIBLE UNFOLDING OF THE RIBOSOMAL
PARTICLES INTO RIBONUCLEOPROTEIN STRANDS
AND A MODEL OF THE PACKING. Tr. by Z. Knowles.
2 Feb 65, 13p, 22 refs. NIH-2-9-65.
Order from CIST, SLA, or ETC; HC\$1.60, MF\$0.50
as TT-65-63213

Trans. of Biochem. Soc. (London) 42: 1-13, 1965

I. Title: Reversible ...
II. National Institutes of
Health, Bethesda, Md.

The Problem of Protein Biosynthesis, by A.
S. Spirin, 26 pp.
RUSSIAN, per, Vestnik Akademii Nauk SSSR,
No 4, Apr 1965, pp. 52-64,
JPRS 30436

USSR
Sci-B/N
Jun 65

231,572

Study of the Species Specificity of Nucleic Acids in
Bacteria, by A. S. Spirin.

RUSSIAN, per, Biokhimiya, Vol 22, 1957, pp 744-753.

MRC/Ref: C-4749

A S. SPIRIN

Sci -

ADG 67

334.873

The Mechanism of Polymerization in the Presence of the
Organic Compounds of Alkali Metals, by Yu. S. Spirin,
A. B. Gantmakher, S. S. Medvedev, 9 pp.

RUSSIAN, per, Vysokomol Soedin, Vol I, No 7, 1959,
pp 1250-1265.

pp

164, 762

Sci

Aug 61

Polymerization of Styrene, Butadiene, and
Isoprene Initiated by Ethylmagnesium in Various
Media, by Yu. L. Spirin, D. K. Polyakov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 4, 1961, pp 899-902.

CB

Sci

200,797

Jun 62